



EMERGING INTERNATIONAL VOICES

8 Oct 2020 | Digital(ized) Libraries WHY? WHAT? HOW?



NATIONAL DIGITAL LIBRARY OF INDIA AND THE COVID PANDEMIC

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WHY? EXTENSIONAL REACH + DISRUPTIVE INNOVATION



TRADITIONAL LIBRARY

- Search
- Browse
- Borrow
- Catalogue
- Book Clubs
- Reference

SERVICES



DIGITAL LIBRARY

- Search
- Browse
- Borrow
- Catalogue
- Book Clubs
- Reference



More scale

EXTENSIONAL

- Anytime access
- Remote login
- Multi-format data
- Multimedia presentation

DISRUPTIVE

- Data discovery
- Compute databases
- AI + deep learning – frontier research

WHY? ACCESS + PRESERVATION + DIGITAL HERITAGE

1

Difficult to make **educational resources** **universally accessible** through physical means

2

An integrated, **Open & Inclusive Digital Library** could make educational resources accessible to **anyone, anytime, anywhere**

3

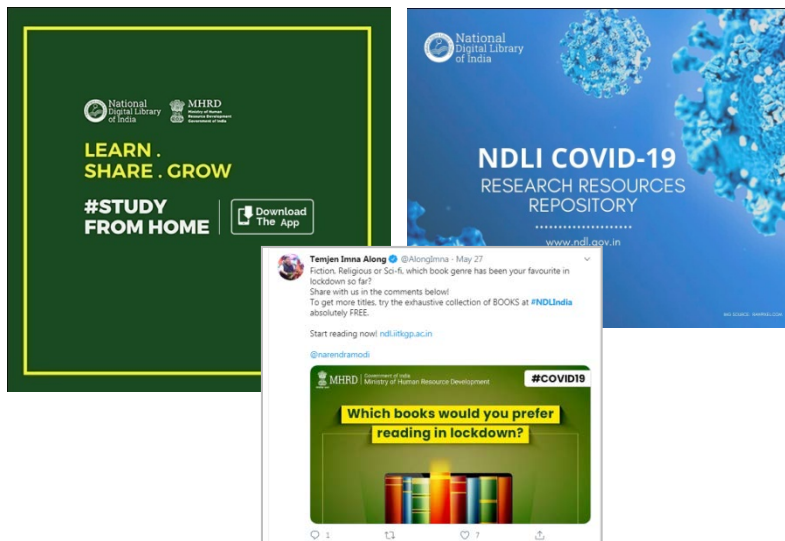
Digitization allows for long-term **preservation of knowledge heritage**

4

Digital Libraries serve as an easily updatable **multi-format** trove of **continual knowledge** for both current and future generations



WHAT IS NDLI?



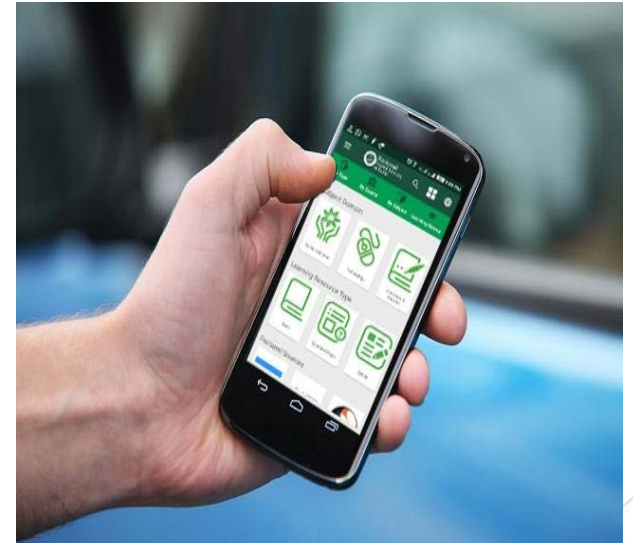
35 Million+ Open Contents I
400+ Languages I
300+ Sources I
3 Million+ Users |

1. Developed by IITKGP on the aegis of the Ministry of Education
2. A 24X7-enabled Umbrella Digital Library
3. A Single window search/browse facility
4. Covers diverse academic levels and disciplines
5. It is for: Schools, Colleges, Universities, R&D Institutions, Individual Learners, Life-long Learners
6. Collection-wise organization:
School, Career Development, Law, Medical, etc.
7. Hosts multi-media contents: Text, Video, Audio, Image, Simulation, Animation, etc.
8. Indian language User Interface:
Currently available in Hindi, Bangla, Gujarati, Marathi, Tamil, Kannada, Odiya, Telugu, Malayalam, Assamese

HOW? ACCESSING THE LIBRARY

Website
<https://www.ndl.gov.in>

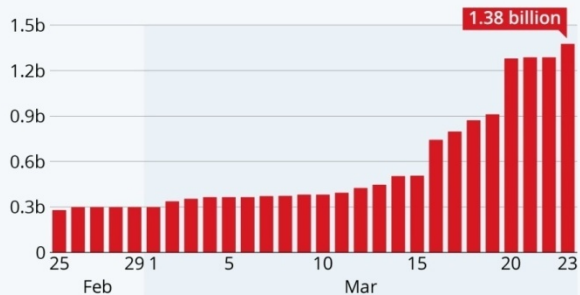
Mobile App
(Google™ PlayStore)



HOW? ROLE OF LIBRARIES IN TRANSFORMING EDUCATION SPECIAL REFERENCE TO COVID19 PANDEMIC SITUATION

COVID-19's Staggering Impact On Global Education

Number of learners impacted by national school closures worldwide



Figures refer to learners enrolled at pre-primary, primary, lower-secondary, and upper-secondary levels of education, as well as at tertiary education levels.
Source: UNESCO



statista

On **18th March 2020**,

The Government of India under Prime Minister [Narendra Modi](#) ordered a nationwide lockdown limiting movement of the entire 1.3 billion population of India as a preventive measure against the COVID-19 pandemic

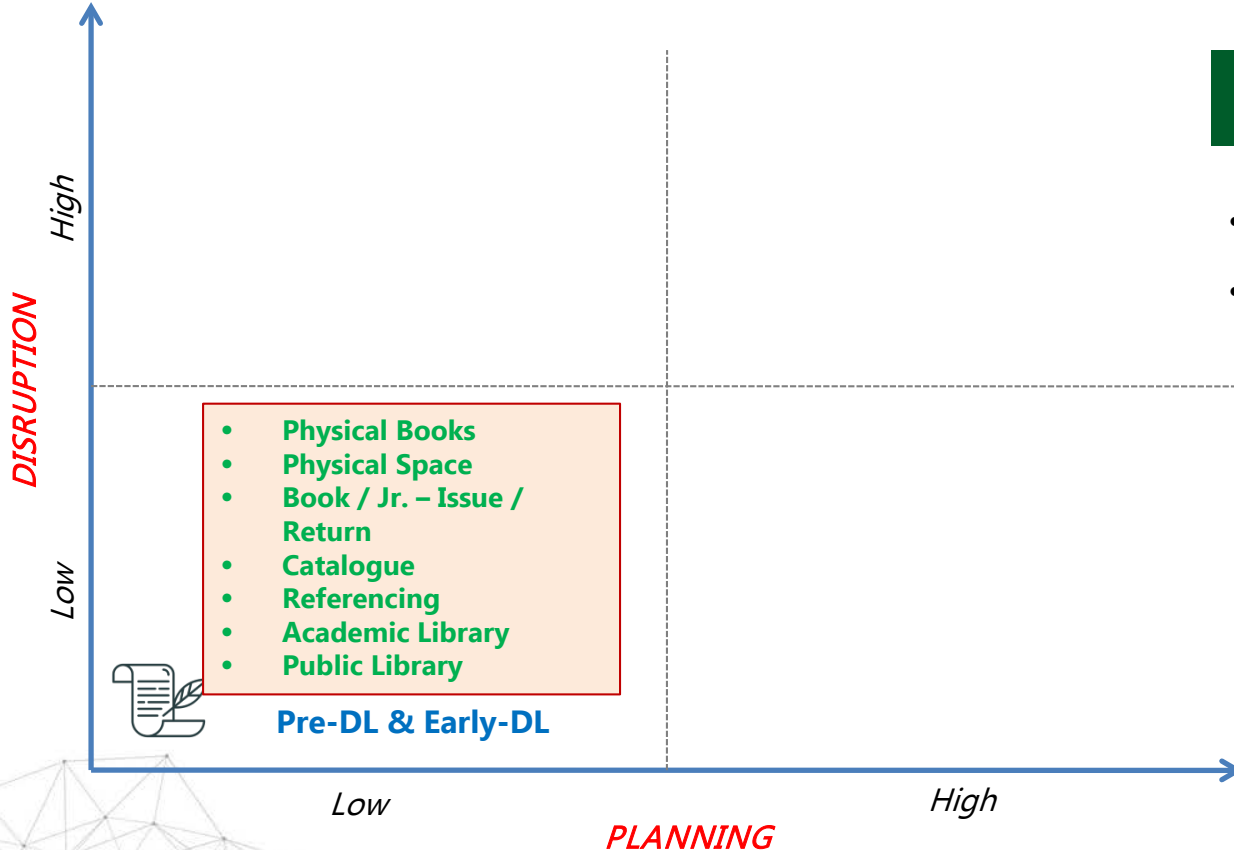
On 24th March 2020,

**900 universities,
40,000 colleges and
1.3 million schools**

across India went under complete lockdown.



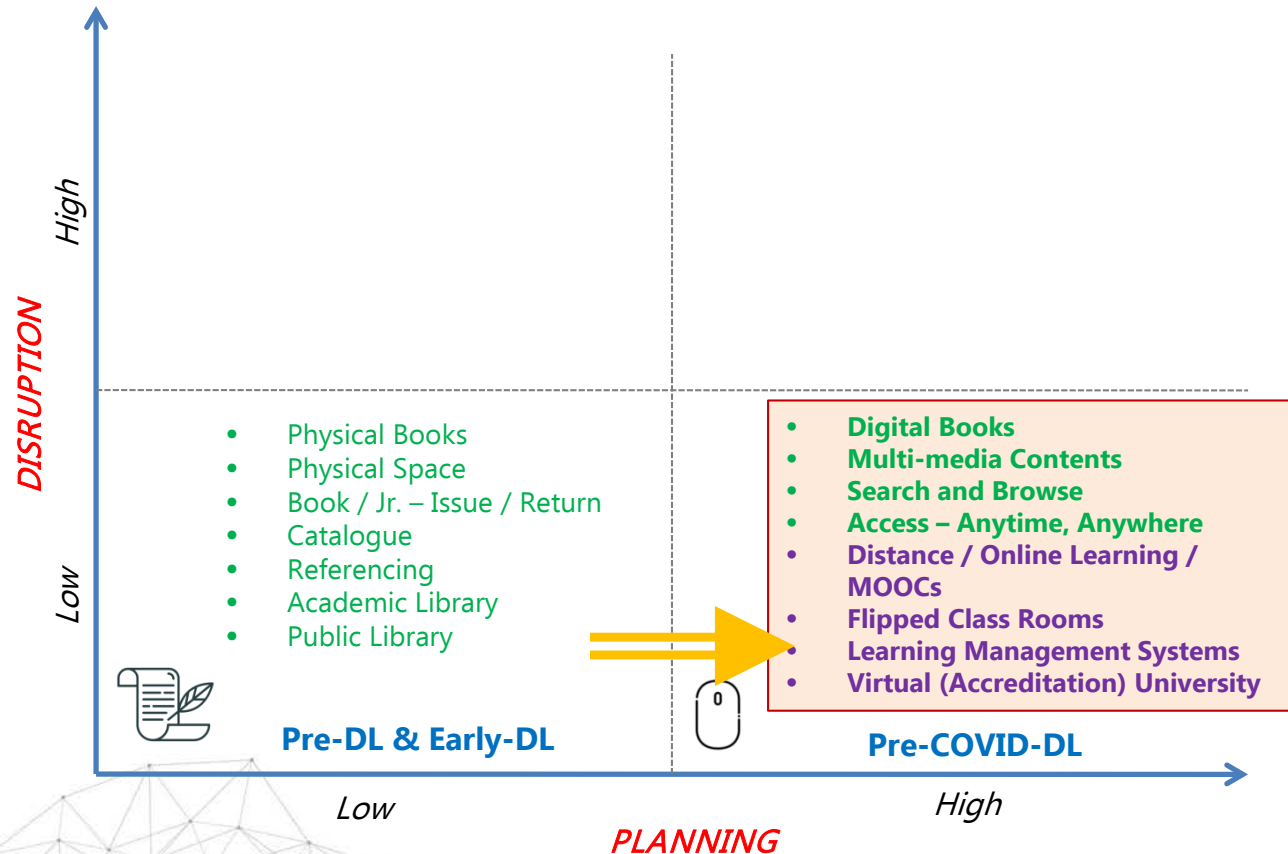
HOW? PRE- and EARLY DL WORLD



HIGHLIGHTS:

- TRADITIONAL EDUCATION
- PRIVILEGED ACCESS

HOW? PRE-COVID WORLD FOR DLs



HIGHLIGHTS:

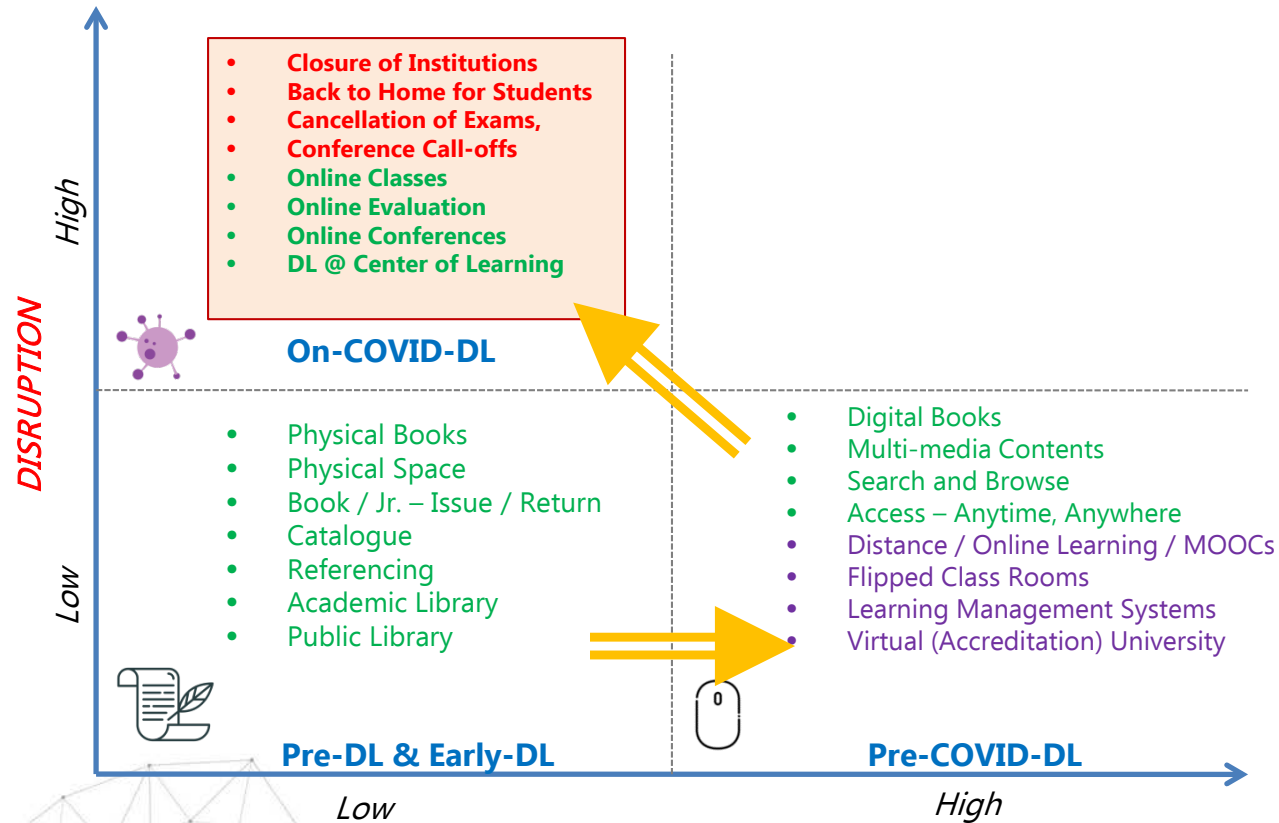
- KEEP WHAT WORKS, ADD DISRUPTIVE TECHNOLOGIES
- SLOW, CAREFUL, MANAGED, PLANNED DISRUPTION

Online learning has been around for over a decade now, but online learning has had its task cut out on many fronts

- Student adoption,
- Academic credibility and
- The sense of community & interaction

<http://bweduction.businessworld.in/article/Is-Large-Scale-Online-Education-Going-To-Be-Permanent-Fixture-In-Post-COVID-World-/12-04-2020-188850/>

HOW? ON-COVID WORLD FOR DLs



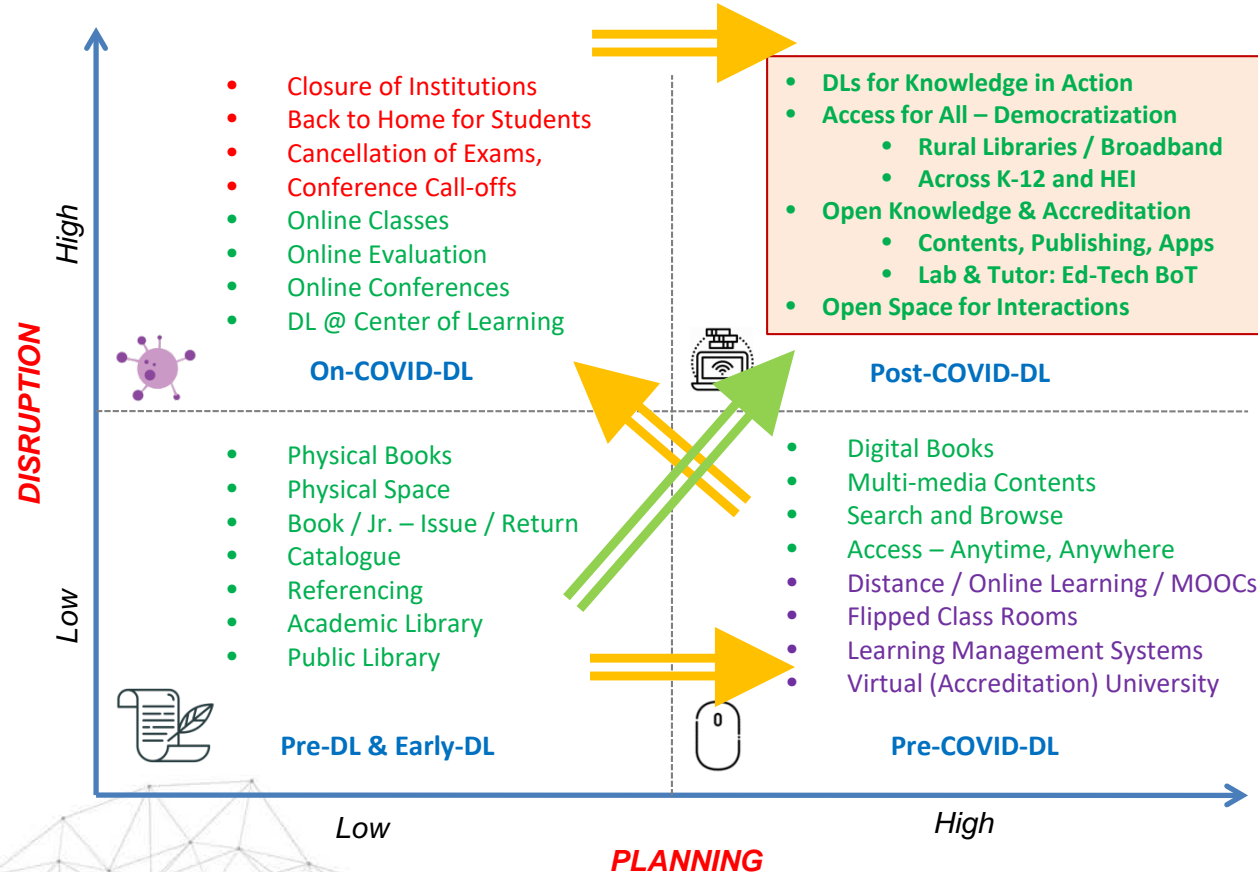
HIGHLIGHTS:

- BLACK SWAN MOMENT FOR EDUCATION
- FOCUS ON SURVIVAL
- SURGE OF USE

Major Harsh Kumar, Secretary, NCERT said, "At the outset online education portals cannot replace schools. However, at this time of crisis we need to evolve innovative methods of learning and online education portals are the answers."

<http://www.businessworld.in/article/School-Education-Teaching-Methods-Set-To-Change-Post-COVID-19/07-04-2020-188507/>

HOW? POST-COVID WORLD FOR DLs



HIGHLIGHTS:

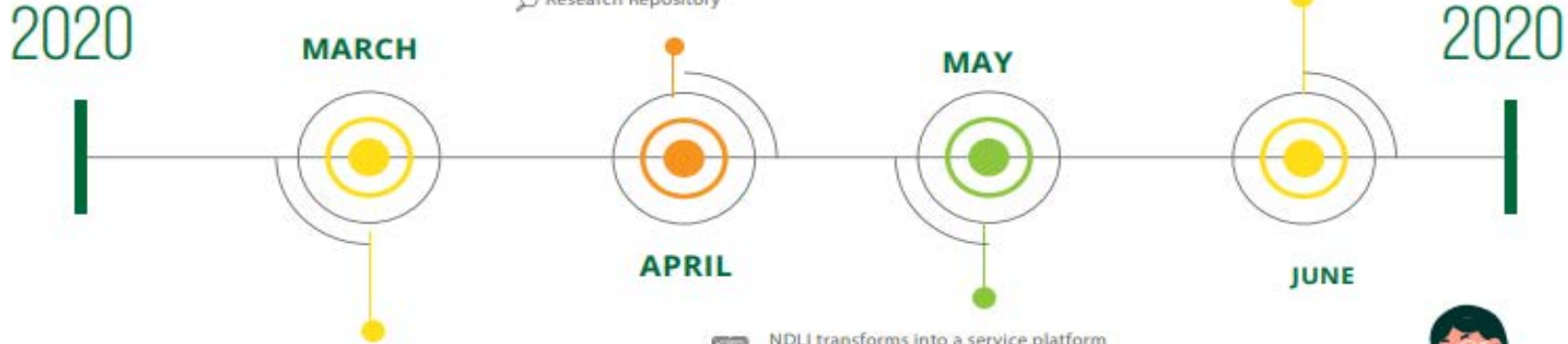
- INNOVATION, OUT-OF-THE-BOX STRATEGIES
- REVISUALIZE THE CONCEPT AS WELL AS IMPACT OF DLs ALTOGETHER



- 🔍 NDLI launches COVID-19 Research Repository
- 🔍 NDLI integrates learning resources shared by eminent professors
- 🔍 NDLI integrates learning resources made open-access by publishers due to COVID-19 crisis
- 🔍 NDLI integrates learning resources contributed by educational entrepreneurs
- 🔍 Social Media Awareness Campaign for COVID-19 Research Repository



- 📢 Social Media Awareness Campaign for CBSE Examination Preparatory service
- 📢 NDLI conducts Metamorphosis Webinar with stakeholders of school education
- 📢 NDLI initiates series of webinars to celebrate the READING MONTH



- 📅 16th March: All educational institutions closed
- 📅 19th March: NDLI initiated sourcing and integrating online class lecture videos
- 📅 23th March: NDLI launches STUDY AT HOME
- 📅 24th March: Nation-wide lockdown
- 📅 Social Media Awareness Campaign for STUDY AT HOME service



- 📺 NDLI transforms into a service platform from a repository platform
- 📺 NDLI launches FEATURED COLLECTIONS
- 📺 NDLI launches CBSE Examination Preparatory
- 📺 NDLI initiates NPTEL series of Webinars on Digital Library services for COVID-19 crisis
- 📺 Social Media Awareness Campaign for NDLI services for COVID-19 crisis



HOW? NDLI COVID RESPONSE



**“Don't limit a child to your own learning, for he was
born in another time. ”**

-Rabindranath Tagore

#LearnShareGrow

www.ndl.gov.in



@NDLIndia